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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/039,486	11/09/2001	Ramesh Subramanian	GSH 08-892801	9780

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 Hayes, Soloway
 130 W. Cushing Street
 Tucson, AZ 85701

EXAMINER

BONSHOCK, DENNIS G

ART UNIT	PAPER NUMBER
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2173

DATE MAILED: 07/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/039,486

Applicant(s)

SUBRAMANIAN ET AL.

Examiner

Dennis G. Bonshock

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 November 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 03-15-2002.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-16 are rejected under 35 U.S.C. 102(b) as being anticipated by Stucka et al., Patent #5,596,702, hereinafter Stucka.

3. With regard to claim 1, which teaches a user interface framework management system for managing the user interface of a software application, the user interface framework management comprising: a merged application user interface for receiving a software application user interface element of the software application and a component user interface element of a component to be included with the software application, Stucka teaches, in column 7, lines 14-26 and 46-62, in column 8, lines 37-40, and in figure 2, a merged interface comprising software application interface elements and component interface elements. With regard to claim 1, further teaching a unification unit for merging the component user interface element with the software user interface element into the merged application user interface, and identification unit for associating the component with the component user interface element in the merged application user interface, Stucka teaches, in column 10, lines 45-65, the User Interface Server (UIS) accepting events from the user and the UIS responding to commands by attaching and deleting portions of the user interfaces, and further teaches, in column 6,

line 66 through column 7, line 13, the association of a particular functionality with a user interface component.

4. With regard to claims 2, 6, 9, and 12, which teach the merged application user interface placeholder receiving a plurality of software application user interface elements, Stucka teaches, in column 7, lines 46-62 and in figure 2, the system comprising a plurality of application user interfaces.

5. With regard to claims 3, 7, 10, and 13, which teach the merged application user interface placeholder receiving a plurality of component user interface elements, Stucka teaches, in column 7, lines 14-20, the system comprising a plurality of user interface components.

6. With regard to claim 4, which teach the identification unit disassociating the component from the component user interface element in the merged application user interface, Stucka teaches, in column 10, lines 36-42, the removal of no longer needed interface element by either deleting the sub-hierarchy from the working memory or modifying the working memory area so as that the sub-hierarchy is no longer displayed.

7. With regard to claim 5, which teaches a method of managing a user interface framework of a software application when installing a component in a software application, the method comprising steps of: a merged application user interface for receiving a software application user interface element of the software application and a component user interface element of a component to be included with the software application, Stucka teaches, in column 7, lines 14-26 and 46-62, in column 8, lines 37-40, and in figure 2, a merged interface comprising software application interface

elements and component interface elements. With regard to claim 5, further teaching merging the component user interface element with the software user interface element into the merged application user interface, and associating the component with the component user interface element in the merged application user interface, Stucka teaches, in column 10, lines 45-65, the User Interface Server (UIS) accepting events from the user and the UIS responding to commands by attaching and deleting portions of the user interfaces, and further teaches, in column 6, line 66 through column 7, line 13, the association of a particular functionality with a user interface component.

8. With regard to claim 8, which teaches a method for managing the user interface framework of a software application when unloading a component from a software application, the method comprising steps of: a merged application user interface for receiving a software application user interface element of the software application and a component user interface element of a component to be included with the software application, Stucka teaches, in column 7, lines 14-26 and 46-62, in column 8, lines 37-40, and in figure 2, a merged interface comprising software application interface elements and component interface elements. With regard to claim 8, associating the component with the component user interface element in the merged application user interface, Stucka teaches, in column 6, line 66 through column 7, line 13, the association of a particular functionality with a user interface component. With regard to claim 8, further teaching disassociating the component from the component user interface element in the merged application user interface, Stucka teaches, in column 10, lines 36-42, the removal of no longer needed interface element by either deleting

the sub-hierarchy from the working memory or modifying the working memory area so as that the sub-hierarchy is no longer displayed.

9. With regard to claim 11, which teaches a method for managing the user interface framework of a software application when installing a component in a software application, the method comprising steps of: a merged application user interface for receiving a software application user interface element of the software application and a component user interface element of a component to be included with the software application, Stucka teaches, in column 7, lines 14-26 and 46-62, in column 8, lines 37-40, and in figure 2, a merged interface comprising software application interface elements and component interface elements. With regard to claim 11, further teaching disassociating the component from the component user interface element in the merged application user interface, Stucka teaches, in column 10, lines 36-42, the removal of no longer needed interface element by either deleting the sub-hierarchy from the working memory or modifying the working memory area so as that the sub-hierarchy is no longer displayed. With regard to claim 11, further teaching re-associating the component from the component user interface element in the merged application user interface, Stucka teaches, in column 6, line 65 through column 7, line 13, column 11, lines 30-40, column 14, lines 36-43, and figures 6a and 6i, a cycle which shows the possibility for element to be disassociated from the interface and then re-associated again.

10. With regard to claim 14, which teaches a computer data signal embodied in a carrier wave and representing sequences of instructions which, when executed by a processor, cause the processor to perform a method for managing the user interface

framework of a software application when installing a component in a software application, the method comprising steps of: receiving a software application user interface element of the software application and a component user interface element of a component in a merge application interface, Stucka teaches, in column 7, lines 14-26 and 46-62, in column 8, lines 37-40, and in figure 2, a merged interface comprising software application interface elements and component interface elements. With regard to claim 14, further teaching merging the component user interface element with the software user interface element into the merged application user interface, and associating the component with the component user interface element in the merged application user interface, Stucka teaches, in column 10, lines 45-65, the User Interface Server (UIS) accepting events from the user and the UIS responding to commands by attaching and deleting portions of the user interfaces, and further teaches, in column 6, line 66 through column 7, line 13, the association of a particular functionality with a user interface component.

11. With regard to claim 15, which teaches a computer-readable media for storing instructions or statements for use in the execution in a computer of a method for managing the user interface framework of a software application when installing a component in a software application, the method comprising steps of: receiving a software application user interface element of the software application and a component user interface element of a component in a merge application interface, Stucka teaches, in column 7, lines 14-26 and 46-62, in column 8, lines 37-40, and in figure 2, a merged interface comprising software application interface elements and component interface

elements. With regard to claim 15, further teaching merging the component user interface element with the software user interface element into the merged application user interface, and associating the component with the component user interface element in the merged application user interface, Stucka teaches, in column 10, lines 45-65, the User Interface Server (UIS) accepting events from the user and the UIS responding to commands by attaching and deleting portions of the user interfaces, and further teaches, in column 6, line 66 through column 7, line 13, the association of a particular functionality with a user interface component.

12. With regard to claim 16, which teaches a computer program product for user in the execution in a computer form creating a user interface framework management system for managing the user interface of a software application, the user interface framework management comprising: a merged application user interface for receiving a software application user interface element of the software application and a component user interface element of a component to be included with the software application, Stucka teaches, in column 7, lines 14-26 and 46-62, in column 8, lines 37-40, and in figure 2, a merged interface comprising software application interface elements and component interface elements. With regard to claim 16, further teaching a unification unit for merging the component user interface element with the software user interface element into the merged application user interface, and identification unit for associating the component with the component user interface element in the merged application user interface, Stucka teaches, in column 10, lines 45-65, the User Interface Server (UIS) accepting events from the user and the UIS responding to commands by

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attaching and deleting portions of the user interfaces, and further teaches, in column 6, line 66 through column 7, line 13, the association of a particular functionality with a user interface component.

Conclusion

13. The prior art made of record on form PTO-892 and not relied upon is considered pertinent to applicant's disclosure. Applicant is required under 37 C.F.R. § 1.111(c) to consider these references fully when responding to this action. The documents cited therein teach systems for merging application user interfaces with component user interfaces.

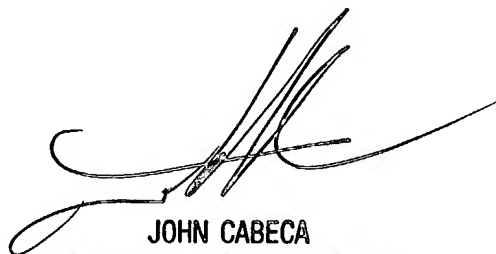
14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dennis G. Bonshock whose telephone number is (703) 305-4668. The examiner can normally be reached on Monday - Friday, 6:30 a.m. - 4:00 p.m.

15. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca can be reached on (703) 308-3116. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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16. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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